

Amendments Of The Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) An apparatus for winding a wire coil on at least one dynamoelectric machine component, said apparatus having an axis of rotation and comprising:

at least two component assembly stations;

at least one support member configured to rotate about said axis, said support member having a distal portion facing obliquely away from said axis of rotation, said support member configured to transfer said machine component between said stations; and

at least one machine component housing,

wherein:

said housing is detachable from a corresponding distal portion; and

said housing projects from said corresponding distal portion obliquely away from said axis of rotation.

2. (Original) The apparatus of claim 1 wherein said housing is cantilevered to said corresponding distal portion.

3. (Original) The apparatus of claim 1 wherein said housing comprises a dovetail tenon for affixing said housing to said corresponding distal portion.

4. (Original) The apparatus of claim 1 wherein:

said corresponding distal portion comprises a dovetail mortise defined by a portion of a corresponding support member; and

said mortise is configured to be joined to a tenon on said housing.

5. (Original) The apparatus of claim 1 wherein said portion comprises steel.

6. (Previously Presented) The apparatus of claim 1 wherein:

said housing has a central axis and comprises at least one substantially planar outer surface substantially parallel to said central axis; and

said housing is configured to be detachable from said corresponding distal portion along exactly one of said at least one surface.

7. (Previously Presented) The apparatus of claim 1 wherein:

said housing has a central axis and comprises:

a top;

a bottom; and

a side, said side extending between said top and said bottom;

said top, said bottom, and said side are substantially parallel to said central axis; and

said housing is configured to be detachable along said side alone.

8. (Original) The apparatus of claim 7 further comprising:

a clamp disposed substantially inside said housing and configured to secure a machine component inside said housing; and

a first actuator member, wherein:

said first actuator member is secured to said clamp;

said first actuator member extends through said side; and

said first actuator member is configured to reciprocate with respect to said central axis.

9. (Previously Presented) The apparatus of claim 8 further comprising a second actuator member, wherein said first actuator member comprises a fixture that is detachable from said second actuator member.

10. (Original) The apparatus of claim 9 wherein said fixture is a fork appendix.

11. (Original) The apparatus of claim 9 further comprising a drive device configured to apply force to said second actuator member.

12. (Original) The apparatus of claim 11 wherein said drive unit is disposed outside of said housing.

13. (Original) The apparatus of claim 11 wherein said drive unit is fixed to said support member.

14. (Original) The apparatus of claim 1 wherein:

said support member comprises an attachment member; and

said housing is fixed to said attachment member.

15. (Original) The apparatus of claim 14 further comprising a drive device, wherein:

said device is fixed to said attachment member; and

said device is configured to move a machine component clamp via an actuator.

16. (Previously Presented) The apparatus of claim 15 wherein:

said drive device is selected from the group consisting of:

an air-pressure-driven piston;

a spring; and

a combination of said air-pressure-driven piston and said spring.

17. (Original) The apparatus of claim 14 wherein said attachment member comprises steel.

18. (Original) The apparatus of claim 7 wherein:

said housing further comprises:

a hollow interior portion defined by an interior surface; and

an exterior surface opposite said side, said exterior surface extending from said top to said bottom; and

said apparatus further comprises:

a frame; and  
at least one shroud locking blade;

wherein:

said frame extends adjacent said top,  
said exterior surface, and said bottom;

said shroud locking blade is fixed to  
said frame and extends into said interior portion; and

said frame is slidable with respect to  
said housing in a direction substantially parallel to said  
central axis.

19. (Original) The apparatus of claim 18 further  
comprising a pair of locking blades having a fixed position  
in a direction along said central axis.

20. (Currently Amended) A method for winding wire  
coils on a machine component, said method using a winding  
machine having machine component assembly stations, said  
method comprising:

positioning a machine component housing on a  
distal portion of a winding machine support member, said  
winding machine having an axis of rotation, said distal  
portion facing obliquely away from said axis of rotation,  
said support member configured to transfer machine components  
between said stations, wherein said positioning causes said  
housing to project from said distal portion obliquely away  
from said axis of rotation;

inserting said machine component in said  
housing; and

winding wire coils onto said machine  
component.

21. (Previously Presented) The method of claim 20 wherein said housing is detachable from said distal portion.

22. (Previously Presented) The method of claim 21 wherein said positioning comprises sliding a tenon into a mortise.

23. (Original) The method of claim 21 further comprising rotating said support member about said axis of rotation.

24. (Previously Presented) The method of claim 21 wherein, when said housing comprises a central axis, a top, a bottom, and a side, said side extending between said top and said bottom, said positioning comprises attaching said housing along said side alone.

25. (Original) The method of claim 24 wherein said inserting comprises:

clamping said machine component inside said housing using a clamp; and

applying force to said clamp using an elongated member that passes through said side.

26. (Original) The method of claim 20 further comprising simultaneously repositioning a pair of shroud locking blades by moving a frame slidably engaged with said housing.